



Missouri Department of Natural Resources

Water Quality Coordinating Committee Water Pollution Control Program

Minutes

January 20, 2004

**WATER QUALITY COORDINATING COMMITTEE
and
TMDL POLICY ADVISORY COMMITTEE**

Combined Meeting

James C. Kirkpatrick
State Information Center
Interpretive Center
600 W. Main
Jefferson City, Missouri

January 20, 2004
10:00 a.m.

MEETING AGENDA

Re-organization in DNR Water Programs -- Jim Hull, Director, Water Protection Program

Karst Resources Support Team – where we're at; where we're going
David Kampwerth, Karst Biologist, U.S. Fish & Wildlife Service, Arkansas Field Office

Missouri 2002 303(d) List – Royan Teter, EPA Region 7

TMDL Status Report -- Anne Peery and Gail Wilson, Water Protection Program

Updates:
Watershed Initiative Grant Proposals in Missouri
319 Grant Funds

Meetings & Conferences

Agency Activities

Combined Meeting of the
MISSOURI WATER QUALITY COORDINATING COMMITTEE
and
TMDL POLICY ADVISORY COMMITTEE

January 20, 2004

James C. Kirkpatrick
State Information Center, Interpretive Center
600 W. Main Street
Jefferson City, Missouri

MINUTES

Attendees:

Becky Shannon	DNR/Water Protection Program WPB	Ann Crawford	DNR/Water Protection Program
Jim Hull	DNR/Water Protection Program	Paul Hauser	Clean Water Commission
David Kampwerth	USFWS Arkansas Field Office	Bob Hentges	MO Public Utility Alliance
Cindy DiStefano	MDC	Charles Hays	DNR/GSRAD/Water Resources Pgm
Leanna Zweig	MDC	Trent Stober	MEC Water Resources
Jeannette Schafer	EPA Region 7	Gayle Unruh	MoDOT
Royan Teter	EPA Region 7	Priscilla Stotts	DNR/Water Protection Program
Claire Baffaut	FAPRI – UMC	Denise Evans	DNR-Office of Director/OAC
Wanda Eubank	North Fork-Clarence Cannon-UOE	Terry Timmons	DNR/Water Protection Program DWB
Jack Dutra	JD Info Service Inc./Syngenta	Frank McDaniels	DNR/Water Protection Program DWB
Bob Broz	UMC Outreach & Extension	Michael Bollinger	Ameren
John Knudsen	DNR/Water Protection Program WPB	Amy Salveter	USFWS
Steve Taylor	ERC/MCGA	Buffy Skinner	Metro St. Louis Sewer District
Randy Sarver	DNR/Env. Services Program	Bart Hawcroft	MDA
Randy Niemeyer	DNR/Env. Services Program	Don Nikodim	MO Pork Association
Mohsen Dkhili	DNR/Water Protection Program WPB	Michael Heaton	DNR/NERO
			DNR/Soil & Water Conservation
Larry Shepard	EPA Region 7	Ken Struempf	Pgm
Phil Schroeder	DNR/Water Protection Program WPB	Bob Veenstra	URS Corp
Sharon Clifford	DNR/Water Protection Program WPB	Robert Brundage	Newman, Comley & Ruth
Gail Wilson	DNR/Water Protection Program WPB	Darlene Schaben	DNR/Water Protection Program WPB
Anne Peery	DNR/Water Protection Program WPB		

Introductions were made.

Re-organization in DNR Water Programs -- Jim Hull, Director, Water Protection Program
Handout: Water Protection Program Re-organization charts

Jim explained the recent organizational changes within the Water Protection Program. Effective January 1, 2004, the Water Pollution Control Program and Public Drinking Water Program were combined under an umbrella program called the Water Protection Program. The new program has two branches—Water Pollution Branch and Public Drinking Water Branch. A Water Protection Financial Assistance Center was also created which includes State Revolving Fund (SRF), rural water and sewer, and storm water grants and loans from both programs. Budget and administration staff from both programs will be combined to make up the Fiscal Management Unit with Grady Martin as the Unit Chief. In the Water Pollution Branch, the SRF engineers will be included in the Financial Assistance Center. The other engineers and the Permits Section will make up the NPDES Permits & Engineering Section. The enforcement sections of each Branch are renamed the Compliance & Enforcement Section. The Planning Section was split into two sections—Watershed Protection Section with Becky Shannon as Section Chief and Water Quality Monitoring & Assessment Section with Phil Schroeder as

Section Chief. The Watershed Protection Section includes the 319-grant program and the 401 water quality certification staff. Becky will also have responsibilities as Watershed Coordinator for the program, with emphasis on doing work more on a watershed basis. To take advantage of Sharon Clifford's expertise and knowledge before she retires in a few months, she was assigned to work on a few special projects. Ann Crawford, who is currently serving as Acting Chief of the Financial Assistance Center, will serve as TMDL Coordinator.

In addition to responsibilities of section chief of the Compliance & Enforcement Section, Kevin Mohammadi will also serve as Water Pollution Branch Chief. Darrell Osterhoudt will serve as the Drinking Water Branch Chief in addition to his duties as Section Chief of the Drinking Water Monitoring Section.

Jim said these changes are expected to improve coordination, communication and responsiveness. It will not be business as usual in the program.

It was requested to have electronic copies of the organizational charts sent via email to the WQCC and TMDL PAC groups. (Since attachments cannot be sent through the list server, please contact Darlene at darlene.schaben@dnr.mo.gov to receive this electronically.)

Karst Resources Support Team – where we're at; where we're going - David Kampwerth, Karst Biologist, U.S. Fish & Wildlife Service, Arkansas Field Office
(PowerPoint Presentation)

David explained that the Karst Resources Support Team (KaRST) has been around for about four years. He said this is an opportunity to join and participate with the Team to assist in developing a conservation strategy. The area includes parts of Missouri, Arkansas and Oklahoma. Karst landscapes form as surface waters travel through fractured carbonate bedrock, causing dissolution. Karst features include caves, springs, losing streams and sinkholes. The focus feature is on approximately 10,000 caves in the covered area. Some of the issues are drinking water supply, contaminated groundwater, irreplaceable habitat and endangered species. Water can move miles in a day in karst spaces. Land use activities, such as sinkhole dumps, point & nonpoint source pollution, septic systems, and cattle & poultry waste, can pollute the groundwater. Some threats to karst resources are urban and groundwater pollution; alteration of drainage pattern by urban growth; water supply development; mine dewatering and excavation; incompatible forest management; recreation; and cave vandalism.

David said that KaRST is a self-directed conservation partnership; landscape karst conservation planning involving Missouri, Arkansas, & Oklahoma; provides for non-regulatory solutions; cooperative, voluntary implementation; not a government organization; and has open membership. Those already involved include six universities, eight tribes, private & state organizations, cities & counties, industries (livestock, poultry & forest), cave clubs and landowners.

The organization structure includes a Management Board, a Team Coordinator, a GIS Coordinator (soon to be filled) and Technical Committees. David is the Team Coordinator. The first formal Management Board meeting was held in November. Nineteen organizations wrote letters appointing members to the Board. The Board approved everything brought before them, including a new logo. He passed around a list to sign up to participate and receive information. Some of their accomplishments include a conservation strategy (approved by the Board), biological planning process, Ozark karst dependent list; public outreach letters, draft karst water planning process, over 200 members, a caver weekend, a karst bibliography and best management practices. For 2003, thirteen organizations that do karst projects completed 32 projects. Since the Board has been formalized, they can begin their data compilation and analysis. The Nature Conservancy will house the database because they are not required to release information as are other agencies. The Team's big plan is to develop a plan for conservation of Ozark karst and provide a forum for ideas and partnerships. The plan will be biologically based and landscape

driven. It will include best management practices, water quality goals, species population goals and site-specific objectives. He explained how the plan would be implemented. To develop the database, The Nature Conservancy data will be used along with base biological data, water quality data, ecosystem stresses, karst features and recharge zone maps. If anyone has a water quality database available to share, David said it could be included. This database will be used to develop prioritization and to develop the conservation strategy. He then talked about how the strategy will be used.

The Management Board will meet two times per year and Technical Committees will meet 2-4 times per year. David can be contacted at the U.S. Fish & Wildlife Arkansas Field Office, (501) 513-4477 or by email at David_Kampwerth@fws.gov.

Missouri 2002 303(d) List, Royan Teter, EPA Region 7

Royan reported that he has been working with the water quality standards for three or four months. He has previously worked with the CAFO Rule and the Air Program. He said Missouri submitted their 303(d) list in August 2002 with 150 water quality limited segments. The 1998 list was finalized with 171 waters. EPA reviewed the 2002 list with partial approval in April 2003. EPA added some waters and pollutants for a total of 215 water quality limited segments. These proposed changes were put on public notice with the comment period ending August 15, 2003. EPA received 114 comment letters. EPA submitted their amended decision in December 2003 with 195 water bodies.

Royan said he would find out about the blanks in the web version on EPA's web site www.epa.gov/region07/water/tmdl.htm. DNR has been working with EPA to get the necessary information. This site also includes the news release and a document with the summary of changes. When the information is complete, Becky said the list would be available on DNR's web site. Questions can be directed to Pat Costello or Royan.

A question was asked about the letter Sierra Club sent to EPA requesting they take over the listing process since the state may not meet the deadline for the next submittal. Jim explained that a methodology was used in developing the 2000 and 2002 lists. The Clean Water Commission directed staff to place this methodology in rule. A public hearing on this proposed methodology rule is scheduled for January 28, 2004, at the Clean Water Commission meeting. Missouri has legislation requiring the final 303(d) list to be placed in rule. Missouri has informed EPA that the deadline for submitting the 2004 list will not be met and proposed a timeline for submittal. No official response from EPA has been received.

Royan said EPA plans to have meetings with the state to discuss their overall approach for the next listing cycle. There is some flexibility in EPA guidance. The public will be kept informed through the Clean Water Commission meetings and the WQCC meetings.

The deadline for EPA to respond to the petition filed by the Sierra Club is February 26, 2004.

TMDL Status Report

Handout: MDNR 2003 Summary of Activities

Gail Wilson gave a report on the 2003 TMDLs. There were TMDLs written for a total of 20 waterbody segments in 2003. A total of 26 waterbody segments were de-listed by EPA. This is a total of 46 waterbody segments. The Consent Decree required 34 waterbody segments. The Memorandum of Understanding (MOU) listed other waterbody segments that were to have TMDLs written in 2003 that Gail said were not completed due to not having enough data for some, a change in the source of the impairment, a city doing corrective construction work,

or an unknown source of impairment. Two of the TMDLs scheduled for completion in 2003 were previously completed in 2001. The handout showed a schedule of the required TMDLs to be completed, a cumulative required number and those completed each year. The draft Elk River TMDL has been submitted to EPA. The public notice comment period ended January 4, 2004. After comments have been reviewed, the TMDL will be submitted to EPA for approval.

Anne Peery reported on the schedule for developing TMDLs in 2004. She said the web site is not up to date. The Elk River TMDL should be submitted to EPA by the end of January. The handout showed the waterbodies listed in the MOU that are scheduled for development. The MOU states that 21 TMDLs are required for 2004. More segments were added to the schedule because of unknown problems that may arise. Overall there are 12 TMDLs done ahead of schedule. Two other waterbodies listed in the MOU for 2004 won't be completed. This schedule shows some waterbodies scheduled for development in 2005 that will be done earlier.

As soon as the 2002 303(d) list is finalized, the Information Sheets that are on the web will be updated. The status of the TMDLs will be on the department's web site under "TMDLs Under Development." Also on this web site are some of the accomplishments for 2003, which include the development of 3 watershed partnerships--the Jack's Fork Watershed Partnership; Shoal Creek Watershed Group; and Elk River Watershed Improvement Association.

Questions on TMDLs can be directed to Gail Wilson or Anne Peery. Sharon Clifford added that the department received eleven comment letters on the Elk River TMDL public notice.

Updates:

Watershed Initiative Grant Proposals in Missouri, John Knudsen, Water Protection Program
John said that the Watershed Initiative is an effort to get federal funding out to watersheds. The proposals received at DNR are submitted to the Governor who nominates them to EPA for approval. Last year in Missouri, funding was received for the White River Basin project. Nationwide, last year there was approximately \$15 million available. This year the emphasis was on hypoxia in the Gulf of Mexico. Three proposals were received and nominated by the Governor for consideration. 1) "The Salt River Basin Alliance Project" submitted by the Clarence Cannon Wholesale Water Commission in the Salt River Watershed; 2) "The Salt River Coalition: Innovations in Addressing Hypoxia through Partnerships" submitted by the Environmental Resources Coalition; and 3) a multi-state project called "Facilitating the Development of an Environmental Credits Trading System to Improve Water Quality along the Middle Mississippi River in Missouri & Illinois" submitted by Winrock International. This is a competitive process. Those selected by the EPA Region will compete nationally.

319 Grant Funds, Becky Shannon, Water Protection Program
The 319 Nonpoint Source Implementation Grant Request for Proposals will be going out this month. This will be sent out to the WQCC and TMDL PAC groups. Approval for the funding of last year's grant request has not yet been received from EPA but they have informally indicated approval to begin working on the subgrants. Updates will be given as more is known.

Water Quality Short Course, Bob Broz, UMC Outreach & Extension (handout)
Bob reported that the Water Quality Short Course has been offered for about 5 years. There have been over 300 people that have attended this two and one-half day course. It is a cooperative effort with the Missouri Department of Natural Resources (DNR), NRCS and the University Extension Program. The course cost has been between \$8,000-\$9,000 per year with most of the cost covered by DNR. Because of the tight budget, Bob asked for input from the group on whether to offer the course or cancel it for this year. If it will be offered it is scheduled for April 13-15, 2004. If it is not held this year, they may start offering it every other year. Preliminary contacts have been made with presenters and the location nailed down. In order for the course to pay for itself, 30 people will need to attend. Several topics of interest are covered at this course. The registration fee

covers breaks and lunch. Funding received from DNR covers the cost of materials provided. University Extension has paid for travel cost for presenters. They have several that volunteer their time.

Becky stated her experience has always been positive in that it is an excellent course, well attended, good overview and gets good feedback. She said there would not be a need to spend the energy and resources if the demand is decreasing. By show of hands several from the group have attended the course. Comments from the group on whether it would be appropriate to proceed would be appreciated.

Bob said, if offered, the course registration fee would be \$35. The main audience has changed over the years. A comment was made that it has been their experience that the course has been the most meaningful education of water quality courses offered in the state. It was suggested that watershed groups should attend. Another comment/suggestion was that the course was found to be valuable and would have paid a higher registration fee to attend. Last year continuing education credits were available for CCAs, CEUs and water/wastewater credits.

Bob requested to have comments by February 5. He felt this would give time to get this information out to the watershed groups as well. Bob thought the information given through this course brought in specialists and professors to talk more about specific issues than the Watershed Tools & Resources conference that is scheduled in March.

Becky indicated that funding was available for the course this year. Comments should be sent to Bob, Becky or Darlene by February 5.

Agency Activities

Don Nikodim announced the Missouri Pork Expo will hold a conference on February 25-26 in Columbia.

Terry Timmons announced the Missouri Rural Water Association will hold their annual meeting on March 16-18 in Springfield. The Safe Drinking Water Commission will also hold a meeting on one of those days at the same facility.

Trent Stober announced the Missouri Water Environment Association will hold a meeting on March 21-23 at Tan-Tar-A.

Sharon Clifford mentioned the Region 7 AIM Conference will be held in April but didn't know the date. More information will be given at the next meeting.

Larry Shepard announced a joint meeting of the Upper Mississippi River Basin Association and the Missouri River Basin Association on February 24 in St. Louis.

Mohsen Dkhili mentioned a Volunteer Water Quality Monitoring workshop will be held this Saturday. A schedule of other workshops are listed on the Stream Team web site.

Steve Taylor mentioned the Show-Me Ag Classic Trade Show and Convention that will be held February 4-5 in Columbia.

Bob Broz gave the dates of March 24-25 for the Watershed Tools and Resources Conference to be held in Jefferson City at the Capitol Plaza. On March 25-26, the International Erosion Control Association will hold a spring workshop at the Boone County Fairgrounds. On May 10-12 a joint training for water quality management between University of Missouri and University of Illinois will be held. A similar training was held three years ago by the University of Missouri. Please call (573) 882-0085 for questions on any of these conferences.

Wanda Eubank passed out a flyer for the North Fork Project's workshop for teachers and youth leaders on "Watersheds Concepts and Curriculum Review" on August 2-6 in Stoutsville, MO. There is no cost to attend. If interested, this meeting could count for 40 hours of environmental education credits.

Jeannette Schafer mentioned the EPA Region VII's 10th Regional Wetland and Water Resources Meeting will be held March 9-11 in Kansas City, MO. Contact Jason Daniels, EPA, at (913) 551-7443. June 1-4 is the National Community Involvement conference in Denver, Colorado, sponsored by EPA.

Jim Hull gave an update on Water Quality Standards. He said that as a result of EPA's triennial review on Missouri's Water Quality Standards and a letter from EPA to the department in 2000 identifying disapproved items, items of inconsistency and others needing attention, there will be changes to the Water Quality Standards. Several of these changes have been discussed at Clean Water Commission meetings over the last year. A proposed rule to address some of those was planned for July 2004. Since then the Missouri Coalition for the Environment has filed a lawsuit against EPA regarding several of those items including some that the department was not planning to address at this time. On January 7, a conference call with the Clean Water Commission was held. Items of discussion included wetlands, whole body contact, high flow exemption, mixing zones and antidegradation. The Commission directed that specific language from EPA's letter regarding wetlands be included in the regulations. They directed the program to list immediately those water bodies in Missouri that were classified in that rulemaking and provide a window of time to come into compliance or conduct a Use Attainability Analysis (UAA) to justify removal from the list. Staff were directed to add qualifiers to the High Flow Exemption. Staff were directed to make changes to not allow for mixing zones that allowed discharges in streams that had very low flow. They were also directed to set forth a rationale on how to address antidegradation and reference in the rulemaking. With the Commission's actions and notifying EPA of the Commission's direction, EPA is discussing the possibility of a settlement agreement with the Coalition to allow Missouri to make these changes in lieu of EPA. A news release will be coming out shortly regarding the Commission's action. The next Commission meeting is January 28 in Jefferson City.

In response to a question, the proposed rulemaking is planned for July 15, 2004.

Meetings and Conferences

Early 2004	NRCS planning a 3-day course on area-wide conservation planning, depending on interest
January	28 Missouri Clean Water Commission meeting, Jefferson City
February	4-5 Show-Me Ag Classic Trade Show and Convention, Columbia
	24 Joint meeting of the Upper Mississippi River Basin Association and the Missouri River Basin Association, St. Louis
	25-26 Missouri Pork Expo conference, Columbia
March	9-11 EPA's 10 th Regional Wetland and Water Resources Meeting, Kansas City
	16-18 Missouri Rural Water Association Annual Meeting, Springfield
	17 Safe Drinking Water Commission meeting, Springfield
	17-18 4-state Community-Based Watershed Management Symposium
	21-23 Missouri Water Environment Association meeting, Tan-Tar-A, Osage Beach
	24-25 Watershed Tools and Resources Workshop at Capital Plaza, Jefferson City
	25-26 International Erosion Control Association's spring meeting, Boone County Fairgrounds
April	20-21 EPA Region 7 Environmental Symposium, Fairmont Hotel, Kansas City
May	10-12 Joint training for water quality management between University of Missouri and University of Illinois
June	1-4 EPA's National Community Involvement conference in Denver, Colorado
August	2-6 North Fork Project presents "Watersheds Concepts and Curriculum Review," Stoutsville